

DNA and deduced
protein sequence
from mouse FAD2
(8) clona

In 129 and
Q506 clones
(E)
GAG was converted
to AAG (K).

This mutation was found in F clone only.

do but occur
in both 129 and
Q508 mutant
lines

Again, this
region was
confined from

DATE

DATE _____

ALIMENTOS

RELEASED BY

TITLE

Cont'd

DATE

Page No.

143

PURPOSE

Cont'd

Book No.

E 79066

425 630 635 640 645 650 655 660 665 670
TGC CAT TTC CAC CCG AAC GCT CCC ATC TAC AAC GAC CCG GAG CGT CTC
ACG GTA AAG GTG GGG TTG CGA GGG TAG ATG TTG CTG GCG CTC GCA GAG
C H F H P N A P I Y N D R E R L>
675 680 685 690 695 700 705 710 715 720
CAG ATA TAC ATC TCC GAC GCT GGC ATC CTC GCG GTC TCC TAC GGT CTC
GTC TAT ATG TAG AGG CTG CGA CCG TAG GAG CCG CAG ACC ATG CCA GAG
Q I Y I S D A G I L A V C Y G L>
725 730 735 740 745 750 755 760 765
TAC CCG TAC GCT GCT GTC CAA GGA GTT GCC TCG ATG GTC TCC TTC TAC
ATG CCG ATG CGA CGA CAG GTT CCT CAA CCG AGC TAC CAG ACG AAG ATG
Y R Y A A V Q G V A S M V C F Y>
770 775 780 785 790 795 800 805 810 815
CGA GTT CCG GTT CTC ATT GTC AAT GCG TTC TTA GTT TTG ATC ACT TAC
CCT CAA GCG GAA GAC TAA CAG TTA CCG AAG AAT CAA AAC TAG TGA ATG
G V P L L I V N G F L V L I T Y>
820 825 830 835 840 845 850 855 860
TTG CAG CAC ACG CAT CCT TCC CTG CCT CAC TAT GAC TCG TCT GAG TGG
AAC GTC GTG TGC GTA CGA AGG GAC GGA GTC ATA CTG AGC AGA CTC ACC
L Q H T H P S L P H Y D S S E W>
865 870 875 880 885 890 895 900 905 910
CAT TGG TTG AGG GGA GCT TTG GCC ACC GTT GAC ACA GAC TAC GGA ATC
CTA ACC AAC TCC CCT CGA AAC CCG TCG CAA CTG TCT CTG ATG CCT TAG
D W L R G A L A T V D R D Y G I>
915 920 925 930 935 940 945 950 955 960
TTG AAC AAG GTC TTC CAC AAT ATC ACG GAC ACG CAC GTG GCG CAT CAC
AAC TTG TTC CAG AAG GTG TTA TAC TGC CTG TGC GTG CAC CCG GTA GTG
L N K V F H N I T D T H V A H N>
965 970 975 980 985 990 995 1000 1005
CTG TTC TCG ACC ATG CCG CAT TAT CAT CCG ATC GAA GCT ACG AAG CCG
GAC AAG AGC TGG TAC GGC GTA ATA GTA CCG TAC CTT CGA TGC TTC CCG
L F S T M P H Y N A M E A T K A>
1010 1015 1020 1025 1030 1035 1040 1045 1050 1055
ATA AAG CCG ATA CTC GGA GAG TAT TAT CAG TTG CAT GGG ACG CCG GTG
TAT TTC GGC TAT GAC CCT CTC ATA ATA GTC AAC GTA CCC TGC GCG CAC
I K P I L G E Y Q L H G T P V>
1060 1065 1070 1075 1080 1085 1090 1095 1100
GTT AAG CCG ATG TGG AGG GAG CCG AAC GAG TGT ATC TAT CTG GAA CCG
CAA TTC CCG TAC ACC TCC CTC CCG TTC CTC ACA TAG ATA CAC CTT GCG
V K A M W R E A K E C I Y V E P>
1105 1110 1115 1120 1125 1130 1135 1140 1145 1150
GAC AGG CAA GGT GAG AAG AAA GGT GTG TTC TGG TAC AAC AAT AAG TTA
CTG TCC GTT CCA CTC TTC TTT CCA CAC AAG ACC ATG TTG TTA TTC AAT
D R Q G E K K G V F W Y N N H L>
1155 1160 1165 1170
TGA AGC AAA GAA GAA ACA AT
ACT TCG TTT CTT CTT TGT TA
S K E E T K>

6th strand

(see pgs 134)

for primer location

Total 5 indels

125 and 950

clones (each with

ins) were

sequenced by

primer DR

(see pgs 134)

and showed the

same mutation

Thus it appears

to be true

mutation

This will be

further confirmed

by 12 RT-PCR

RNA from 125 and 950

and sequenced by

DR primer

DATE